



08/30/01

PTO/SB/05 (03-01)

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. **4584**  
First Inventor **Gregory J. Ewing**  
Title **NON-FLUORESCENT QUENCHER COMPOUNDS AND BIOMOLECULAR ASSAYS**  
Express Mail Label No. **EL 897 621 320 US**

08/27/01  
09/04/2001

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages **82**]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☐ Drawing(s) (35 U.S.C. 113) [Total Sheets **3**]
5. ☐ Oath or Declaration [Total Pages **3**]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 18 completed)
  - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(g)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76.

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☒ Computer Readable Copy (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☒ paper
  - c. ☒ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. §3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Certified Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76.

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: **1** filed **\_\_\_\_\_**

Prior application information:

Examiner: **\_\_\_\_\_**

Group Art Unit: **\_\_\_\_\_**

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion of the disclosure is not incorporated from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label **22896** or ☐ Correspondence address below

Name	Alex Andrus				
Address	Applied Biosystems				
	850 Lincoln Centre Drive				
City	Foster City	State	California	Zip Code	94404
Country	US	Telephone	650-570-6667	Fax	650-638-6677

Name (Print/Type)	Alex Andrus	Registration No. (Attorney/Agent)	44,509
Signature		Date	August 27, 2001

# FEE TRANSMITTAL for FY 2001

*Patent fees are subject to annual revision.*

## Complete if Known

**TOTAL AMOUNT OF PAYMENT (\$)** **2,380.00**

Application Number	To be assigned
Filing Date	August 27, 2001 (herewith)
First Named Inventor	Gregory J. Ewing
Examiner Name	To be assigned
Group Art Unit	To be assigned
Attorney Docket No	4584

### METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to

Deposit Account Number 01-2213

Deposit Account Name Applied Biosystems

☒ Charge any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status See 37 CFR 1.27

2. ☐ Payment Enclosed:  
☐ Check ☐ Credit card ☐ Money ☐ Other Order

### FEE CALCULATION

**1. BASIC FILING FEE**

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	710.00
106	320	205	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	
<b>SUBTOTAL (1)</b>					<b>(\$ 710.00)</b>

**2. EXTRA CLAIM FEES**

Total Claims	Extra Claims	Fee from below	Fee Paid
75	-20** 55	18.00	990.00
111	-3** 8	80.00	640.00
Multiple Dependent		0.00	0.00

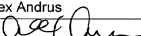
\*\*or number previously paid, if greater; For Reissues, see below

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
103	18	203	9	Claims in excess of 20	
102	80	202	40	Independent claims in excess of 3	
104	270	204	135	Multiple dependent claim, if not paid	
109	80	209	40	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	
<b>SUBTOTAL (2)</b>					<b>(\$ 1,630.00)</b>

### FEE CALCULATION (continued)

**3. ADDITIONAL FEES**

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2520	147	2520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1840*	113	1840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1390	218	695	Extension for reply within fourth month	
128	1890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1510	138	1510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1240	241	620	Petition to revive - unintentional	
142	1240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties) (37 CFR 1.129(a))	40.00
148	710	246	355	Filing a submission after final rejection	
149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify) _____					
<b>SUBTOTAL (3)</b>					<b>(\$ 40.00)</b>

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Alex Andrus	Registration No. (Attorney/Agent)	44,509
Signature		Telephone	650-638-5607
		Date	August 27, 2001

**WARNING:**  
Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Ewing et al.

Serial No.: To be assigned

Filed: August 27, 2001

For: **NON-FLUORESCENT QUENCHER  
COMPOUNDS AND BIOMOLECULAR  
ASSAYS**

) Group Art Unit: To be assigned

) Examiner: To be assigned

CERTIFICATION UNDER 37 CFR 1.10

Express Mail Number: EL 897 621 320 US

Date of Deposit: August 27, 2001

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Mila T. Kasan  
Mila T. Kasan

**CERTIFICATE RE: SEQUENCE LISTING**

BOX SEQUENCE

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

I hereby state that the Sequence Listing submitted with this application is submitted in paper copy and a computer-readable diskette, and that the content of the paper and computer readable copies are the same and include no new matter.

Respectfully submitted,

Date: August 27, 2001

Alex Andrus  
Alex Andrus  
Agent for Applicants  
Reg. No.: 44,509

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